CC Technical Documentation
NPM-10 (3595) Series Transceivers

Disassembly/Assembly

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Disassemble the NPM-10 (3595) Transceiver

Preparation for Disassembly

Disassembly Tools

Figure 1:
Left to right: Torque-limiting screwdriver (torque set at 28N-cm), fiberglass soldering aid, and T6 Torx+ driver

ESD Protection

Figure 2: ESD protective wrist strap

Some form of ESD protection should be used when handling the PWB and other electronic components. Figure 2 shows a wrist strap, "which" can be grounded to a bench. This or some other form of ESD protection should be used when handling the phone.

Assembly Instructions

To assemble the phone, follow the steps in the "Disassembly Instructions" section in reverse order.

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Disassembly Instructions

Following are the instructions for disassembling the phone.

1. Remove the B-cover

Figure 3: Removing the B-cover

1. Press and hold the release button.
2. With the other hand, place your thumb on the logo badge and push B-cover towards the top of the phone.
3. Once the B-cover is pushed forward, lift it off to remove.

2. Remove the Battery

Figure 4: Removing the battery

- Remove the battery out by lifting from the bottom of the battery compartment.

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3. Remove the SIM Card

Figure 5: Removing the SIM card

1. Press plastic spring down.
2. Place the thumb from the other hand on the SIM card.
3. Press and slide the SIM card towards the top of the phone.

4. Remove the A-cover

Figure 6: Removing the A-cover

1. Place the thumb under the edge of the A-cover with the fingers on top.
2. Pull the A-cover gently until a snap deactivates.

5. Remove the Screws (Torx #6)

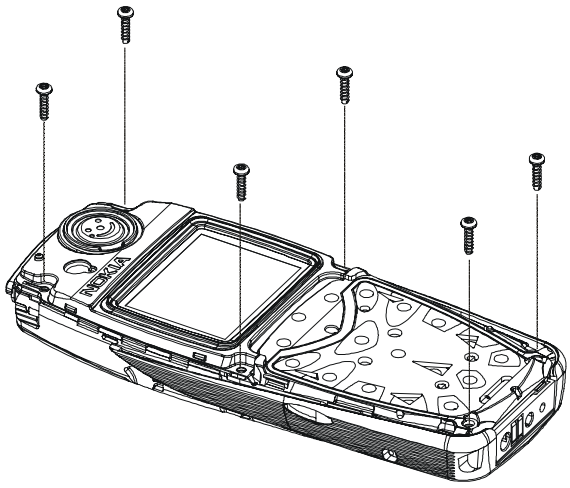

Figure 7: Removing the screws

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6. Remove the Lightguide Assembly

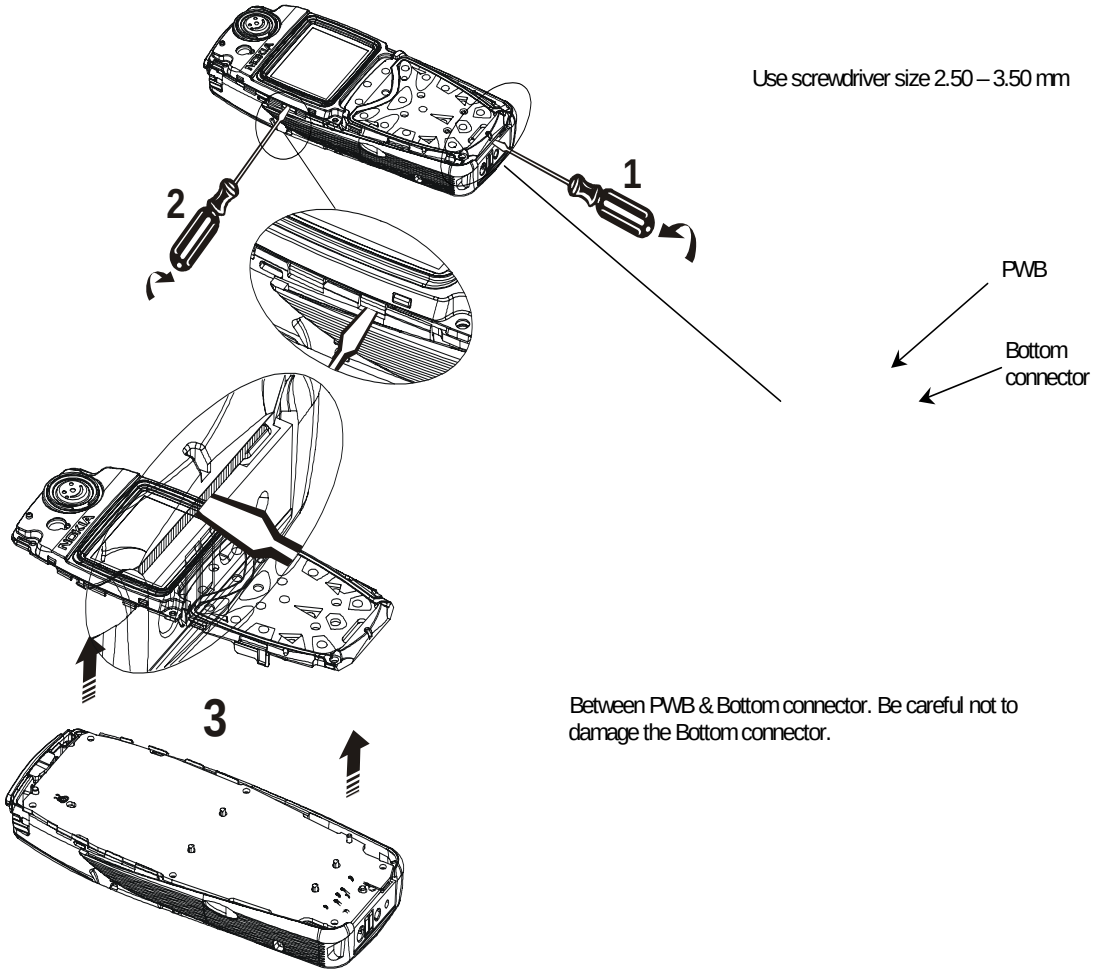

Figure 8: Removing the lightguide assembly

7. Remove the Metal Frame and Earpiece

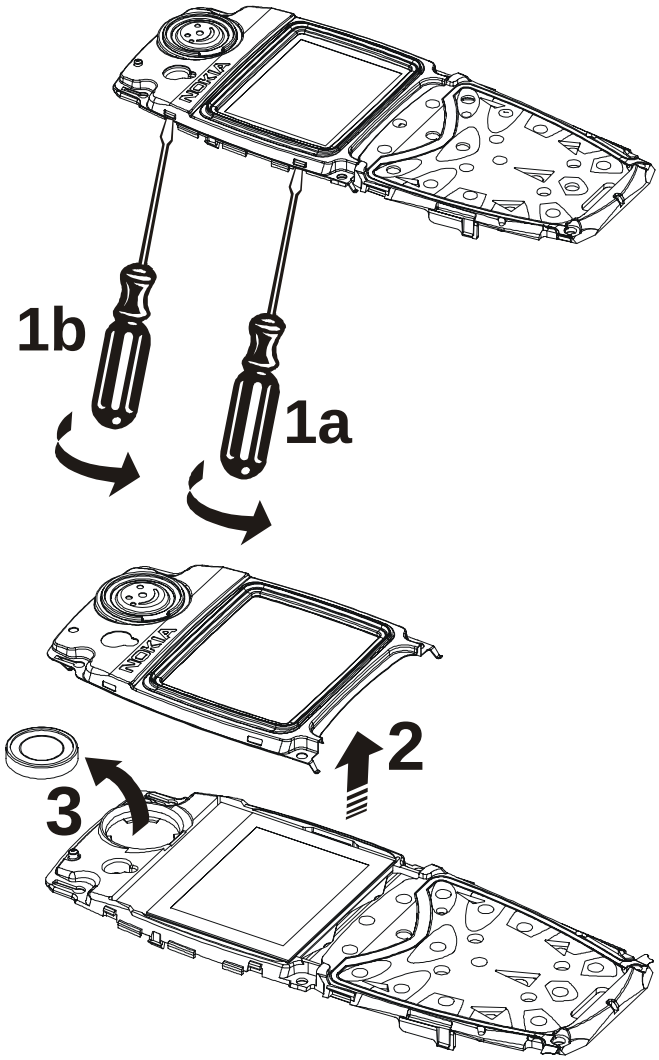

Figure 9: Removing the metal frame and earpiece

Note: Use screwdriver size 2.50 – 3.50 mm.

1. Turn the screwdriver at the snaps, only on one side.
2. When removing the metal frame, be careful not to damage the four springs in the corners.
3. Remove the earpiece.

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8. Remove the PWB Assembly

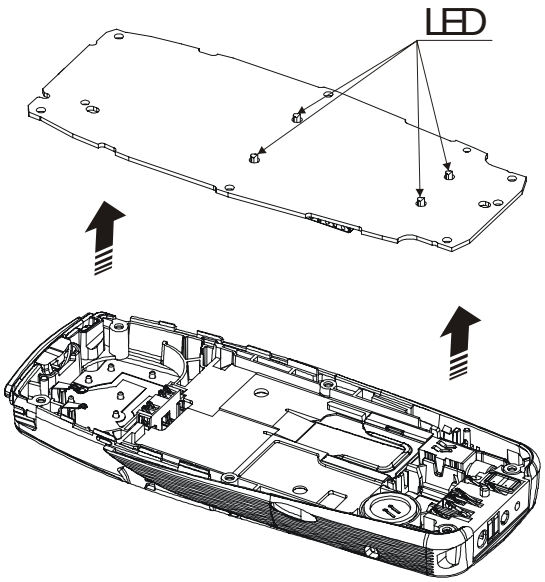

Figure 10: Removing the PWB assembly

1. Remove PWB assembly.
2. Place the PWB on an ESD table with the LED upwards.

9. Remove the Shielding Lids

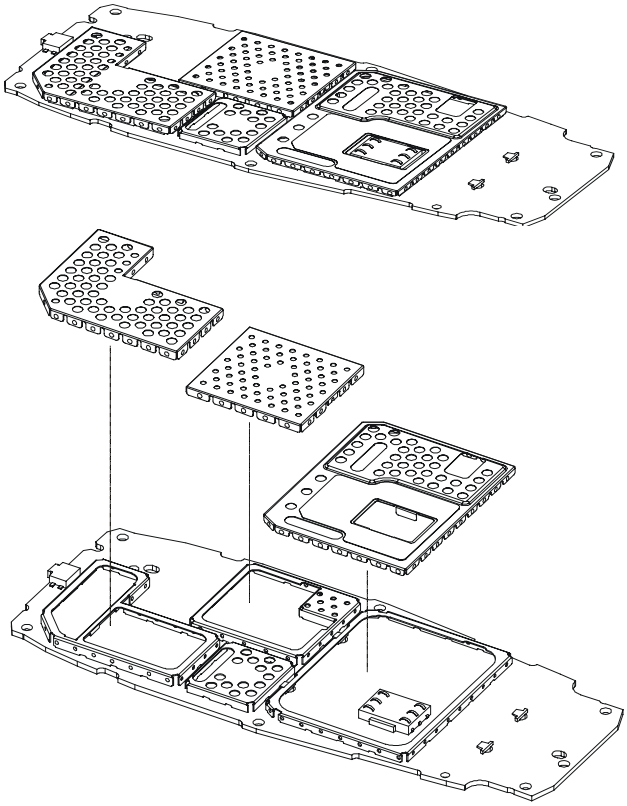

Figure 11: Removing the shielding lids

- Remove the shielding lids as shown in Figure 11. Do not re-use the shielding lids once they are removed.

When working with the PWB, always use a repair jig.

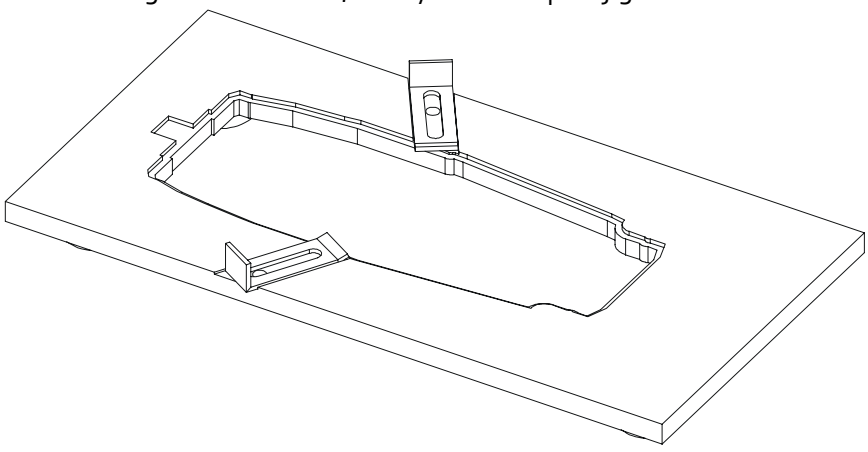

Figure 12: Repair jig

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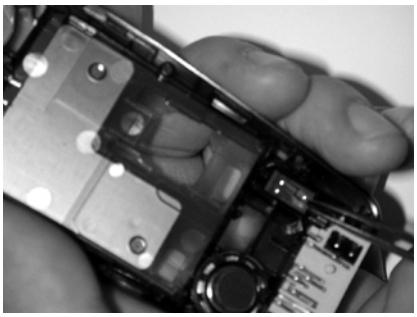
10. Remove Components from D-cover Assembly

The following components are removable:

Note: Use screwdriver size 2.50 – 3.50 mm.

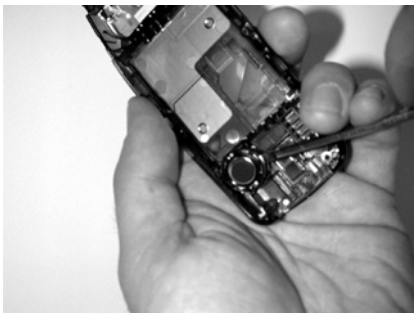
1. Power key
2. Battery connector

3. Vibrate assembly



4. Bottom connector

5. MALT speaker



Remove MALT speaker by turning the screwdriver as shown in step 5.

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